GOVERNMENT OF INDIA
AGRICULTURE
LOK SABHA

UNSTARRED QUESTION NO:5391
ANSWERED ON:28.04.2003
RESOURCE INVENTORY FOR IMP-I
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Will the Minister of AGRICULTURE be pleased to state:

(a) whether the National Centre for integrated pest management, a unit of ICAR, brought out a Resource Inventory for IPM-I;

(b) if so, whether many of these products can easily be exported to earn foreign exchange and support R & D also; and

(c) if so, the details thereof?

Answer

THE MINISTER OF STATE IN THE MINISTRY OF AGRICULTURE (SHRI HUKUMDEO NARAYAN YADAV)

(a) Yes, Sir.

(b) Some of the environment friendly products have potential for export to different countries where similar pests occur. It can earn foreign exchange and also support R & D.

(c) Appropriate technology has already been evolved for mass multiplication and field release of the natural enemies of pests (Annexure), which can earn foreign exchange from export to other countries where similar pests occur. It can support R & D activities within the country as well as other countries through collaboration or supply of nucleus cultures for further improvement in respect of various pests, crops, situations and needs.

Many of the technologies are used by commercial insectaries in production of quality bio- agents/bio-pesticides.

ANNEXURE

Parasitoids

Aphytis proclia
Bracon brevicornis
Brachymeria nephantidis
B. nosatoi
Bracon hebetor
Chelonus blackburni
Capidosoma kochleri
C. flavipes (Sugarcane strain)
C. flavipes (Maize strain)
Elasmus nephantidis
Goniozus nephantidis
Leptomastrix dactylopii
Stuimopsis inferens
Trichogramma spp.
Telenomus remus

Predators

Brumoides suturalis
Chilochorus bijugus
Chrysoperla carnea
Cryptolaemus montrouzieri
Coccinella sp.
Chilocorusnigritus
Epiricania melenoleuca
Mallada sp. (astur)

Mallada boninensis
Menochilus sexmaculatus
Pharoscynmus horni
Scymnus sp.
Scymnus coccivora

Insect pathogens

Formulations of Bacillus thuringiensis
HaNPV
S/NPV
GV of chilo infuscatellus
GV of Plutella xylostella
Baculovirus oryctes
Verticillium lecanii
Beauveria bassiana
Metarhizium anisopliae
Nomuraea rileyi

Antagonists

Trichoderma spp.
Pseudomonas fluorescence

Weed insects

Cryptobagous salviniae
Neochetina bruchi
Neochetina eichhorniae
Zygogramma bicolorata